

From: Martyn Grant <Martyn.Grant@royalmint.com>
Sent: 15 January 2020 08:07
To: Kemp, Andi <Andi.Kemp@cyfoethnaturiolcymru.gov.uk>
Cc: Parr, Elizabeth <Elizabeth.Parr@cyfoethnaturiolcymru.gov.uk>
Subject: KP3135KV – 2019 Performance1, WaterUsage1 & E1 forms with explanation why no Form A1 submitted

Hi Andi,

Please find attached the data required to comply with the Royal Mint's Environmental Permit condition, to report on the site's performance over the previous year.

In submitted this data I have excluded the emissions to air report from emission point A14, as 2019 was the first full calendar year that casting was not undertaken on site, therefore there is no data to report.

I trust the information supplied is satisfactory to Natural Resources Wales but if you have any questions or require further information please do not hesitate to contact me.

Regards,

Martyn Grant
Environmental Manager
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Permit Reference Number: **KP3135KV**

Installation: The Royal Mint

Operator: The Royal Mint Limited

Form Number: Performance 1

Reporting of other performance indicators for the year **2019**

Parameter	Value	Units
Total final product tonnage	22,731	tonnes
CO _{2e} / tonne of circulating coin	540.66 (Consumed Energy from offsite sources) * 1060.63 (Primary Energy from offsite sources) *	Kg CO _{2e} / tonne
Total waste / tonne of circulating coin	0.775	Tonne of waste / tonne

Operator's comments:

CO_{2e} conversion factor obtained from GOV.UK "Greenhouse gas reporting - Conversion factors 2019 Condensed set (for most users)", using dataset year 2018 (UK electricity Scope 2, Version 1.0, expiry 31/07/2020) plus (Transmission and distribution scope 3, Version 1.0, expiry 31/07/2020) Electricity = kWh x (0.2556 + 0.02170) Kg of CO_{2e} (Fuels Scope 1, Version 1.0, expiry 31/07/2020) Natural Gas = kWh(Gross CV) x 0.18385 Kg of CO_{2e}.

* The figure excludes energy generated by the "onsite" wind turbine.

Signed

Martyn Grant

Date 14/01/2020

(authorised to sign as representative of the Operator)

Permit Reference Number: **KP3135KV**

Operator: The Royal Mint Limited

Installation: The Royal Mint

Form Number: Water Usage 1

Reporting of Water Usage for the year **2019**

Water Source	Usage (m ³ per year)	Specific Usage (m ³ /tonne)
Mains Water	146,057#	6.43
River Abstraction	286,943	12.62
TOTAL WATER USAGE	433,000	19.05

Operator's comments:

Total Saleable Product 2019 = 22,731 Tonnes.

High water usage recorded during the last quarter of 2019, this is believed to be due to an onsite leak, which is under investigation.

Signed

Martyn Grant

Date 14/01/20

(authorised to sign as representative of the Operator)

Permit Reference Number: **KP3135KV**

Operator: The Royal Mint Limited

Installation: The Royal Mint

Form Number: E1

Reporting of Energy Usage for the year **2019**

Energy Source	Energy Usage Quantity (Kwh)	Primary Energy (MWh)	Specific Usage (MWh/tonne)
Electricity *	31,041,800 (Total Energy Use) 596,700 (On Site Generated Energy)	74,500 (for total energy) 73,000 (for offsite energy generation)	3.28 3.21
Natural Gas	20,926,126	20,926	0.92
TOTAL	51,967,926	95,426	4.20

* Conversion factor for delivered electricity to primary energy - **Primary Energy = electrical energy X 2.4 (as per the Resource Efficiency Physical Index)**

Operator's comments:

Total Saleable Product 2019 = 22,731 Tonnes.

Signed
(authorised to sign as representative of the Operator)

Martyn Grant

Date 14/01/20